FIGURE P-7

HIGH RESOLUTION PALYNOMORPH DISTRIBUTION CHART

MICROPALEO CONSULTANTS

WELL NAME	:PANAM HOODOO LAKE UNIT NO.2	API NUMBER	:50-211-20004	KELLY BUSHING	:345 FEET		
PROJECT	:NAS BASIN BIOSTRATIGRAPHY PROJECT	LOCATION	:SEC. 35, T50S/R76W SM	BASIN	:NORTH ALEUTIAN	DATE	:JUNE 2005
PALYNOLOGIST	:HIDEYO HAGA	TOTAL DEPTH	:11,243 FEET	STATE	:ALASKA	PROJECT	:25-104

RELATIVE ABUNDANCE KEY

- ■ : NOT PRESENT
- | : 1 TO 1 VERY RARE
- ⊟ : 2 TO 5 RARE
- ▤ : 6 TO 15 FREQUENT
- ▮ : 16 TO 30 COMMON
- ▣ : 31 TO 300 ABUNDANT
- ▬ : 501 TO 5000 PROLIFIC
- x : All Specimens Reworked.
- xx : Some Specimens Reworked.

SPECIES LOCATION INDEX

[46] ?Baltisphaeridium sp.
[41] ?Cordosphaeridium microrianum
[29] ?Cordosphaeridium sp. (fragments)
[47] ?Cyclonephelium sp.
[22] ?Foveosporites sp. (poorly preserved)
[34] ?Glaphyrocysta sp.
[45] ?Gonyaulacysta sp.
[4] Alnipollenites spp.
[26] Areosphaeridium diktyoplokus
[6] Betulaceae
[16] Caryapollenites sp. (large
[14] Caryapollenites sp. (small)
[37] Ceratiopsis aff. C. diebelii
[28] Ceratiopsis phosphoritica
[21] Cicatricosisporites sp.
[32] Cordosphaeridium fibrospinosus
[35] Cordosphaeridium inododes
[42] Deflandrea sp. (smooth)
[36] Deflandrea wetzelii
[15] Deloidospora spp.
[25] Densosporites spp. *
[23] Gleicheniidites senonicus
[19] Ilexpollenites sp.
[20] Indet. spores (poorly preserved)
[5] Juglanspollenites sp.
[11] Laevigatosporites spp.
[27] Leptodinium sp.
[13] Lycopodiumsporites spp.
[43] Michystridium spp.
[17] Momipites sp.
[49] Multicellaesporites spp.
[8] Osmundacidites spp.
[33] Paralecaniella indentata
[48] Pesavis tagluensis
[39] Phthanoperidinium comatum
[7] Polypodiaceae (coarse)
[44] Prionodinium alveolatum
[18] Pterocaryapollenites sp.
[40] Rhombodinium glabrum
[38] Selenopemphix spp.
[1] Sphagnumsporites spp.
[30] Spiridinium sagittulum
[31] Spiniferites incertus
[24] Spinozonocolpites spp.
[12] Taxodiaceae
[9] Tiliapollenites sp.
[2] Tsugaepollenites spp.
[3] Ulmipollenites sp.
[10] Undifferentiated bisaccates

	SPORE-POLLEN DIVERSITY (FILLED)	MICROPLANKTON DIVERSITY (FILLED)
	0 5 10 15 20 25	0 5 10 15 20
TOTAL	0.8 10 100 1000 5000	0.8 10 100 1000 5000

SPORE - POLLEN

[1] Sphagnumsporites spp.
[2] Tsugaepollenites spp.
[3] Ulmipollenites sp.
[4] Alnipollenites spp.
[5] Juglanspollenites sp.
[6] Betulaceae
[7] Polypodiaceae (coarse)
[8] Osmundacidites spp.
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[10] Undifferentiated bisaccates
[11] Laevigatosporites spp.
[12] Taxodiaceae
[13] Lycopodiumsporites spp.
[14] Caryapollenites sp. (small)
[15] Deloidospora spp.
[16] Caryapollenites sp. (large
[17] Momipites sp.
[18] Pterocaryapollenites sp.
[19] Ilexpollenites sp.
[20] Indet. spores (poorly preserved)
[21] Cicatricosisporites sp.
[22] ?Foveosporites sp. (poorly preserved)
[23] Gleicheniidites senonicus
[24] Spinozonocolpites spp.
[25] Densosporites spp. *

MICROPLANKTON

[26] Areosphaeridium diktyoplokus
[27] Leptodinium sp.
[28] Ceratiopsis phosphoritica
[29] ?Cordosphaeridium sp. (fragments)
[30] Spiridinium sagittulum
[31] Spiniferites incertus
[32] Cordosphaeridium fibrospinosus
[33] Paralecaniella indentata
[34] ?Glaphyrocysta sp.
[35] Cordosphaeridium inododes
[36] Deflandrea wetzelii
[37] Ceratiopsis aff. C. diebelii
[38] Selenopemphix spp.
[39] Phthanoperidinium comatum
[40] Rhombodinium glabrum
[41] ?Cordosphaeridium microrianum
[42] Deflandrea sp. (smooth)
[43] Michystridium spp.
[44] Prionodinium alveolatum
[45] ?Gonyaulacysta sp.
[46] ?Baltisphaeridium sp.
[47] ?Cyclonephelium sp.

MISC.

[48] Pesavis tagluensis
[49] Multicellaesporites spp.

PERIOD/EPOCH	AGE/ZONE	SAMPLE DEPTH (FEET)
TERTIARY	UNDIFF.	240-270, 360-390, 480-510, 600-630, 690-720, 780-810, 900-930, 990-1020
TERTIARY (PALEOGENE)	EOCENE	1140-1170, 1200-1230, 1290-1320, 1380-1410, 1500-1530, 1590-1620, 1800-1830, 1980-2010, 2100-2130, 2190-2220, 2400-2430, 2580-2610, 2700-2730, 2790-2820, 3000-3030, 3180-3210, 3300-3330, 3480-3510, 3600-3630, 3780-3810, 3900-3930, 4100-4120, 4200-4220, 4300-4320, 4400-4420, 4500-4520, 4600-4620, 4700-4720, 4800-4820, 4900-4920, 5000-5020, 5100-5120, 5200-5220, 5320-5340, 5480-5500, 5600-5620, 5700-5720
TERTIARY (PALEOGENE)	UNDIFF.	5800-5820, 5900-5920, 6000-6020, 6100-6120, 6200-6220, 6300-6320, 6400-6420, 6500-6520, 6600-6620, 6700-6720, 6800-6820, 6900-6920, 7000-7020, 7100-7120, 7200-7220, 7300-7320, 7400-7420, 7500-7520, 7600-7610, 7700-7710, 7800-7820, 7900-7910, 7980-8010, 8000-8010, 8100-8110, 8200-8210, 8300-8310, 8330-8360, 8400-8410, 8500-8510
PROBABLE EARLY CRETACEUS	PROBABLE HAUTERIVIAN	8540-8560, 8570-8610, 8600-8610, 8670-8680, 8703-8704 C, 8708-8709 C
JURASSIC? TO EARLY CRETACEOUS	UNDIFF.	8717-8718 C, 8800-8810, 8900-8910, 9000-9010, 9500-9600, 9750-9850, 10200-10300, 10300-10400, 10500-10600, 10700-10800, 11000-11100